AMENDMENTS TO THE CLAIMS

The following listing of claims will replace all prior versions and listings of claims in the application.

LISTING OF CLAIMS

1-17.   (Cancelled)

18.   (Previously Presented) The compressor assembly of Claim 31 wherein said system master can modify said stored compressor configuration information.

19.   (Previously Presented) The compressor assembly of Claim 31 further comprising a sensor in communication with said compressor, said sensor providing a signal to said control block indicative of an operating characteristic of said compressor, said system master receiving said signal from said control block.

20.   (Previously Presented) The compressor assembly of Claim 31 further comprising a plurality of sensors in communication with said compressor, each of said plurality of sensors providing a signal to said control block indicative of an operating characteristic of said compressor.

21.   (Previously Presented) The compressor assembly of Claim 20 wherein said control block creates an event history from said signals of said sensors.

22. (Previously Presented) The compressor assembly of Claim 21 wherein said event history is provided to said system master from said control block.

23. (Previously Presented) The compressor assembly of Claim 31 wherein said stored compressor configuration information includes a model number of said compressor.

24. (Previously Presented) The compressor assembly of Claim 31 wherein said stored compressor configuration information includes a serial number of said compressor, a refrigerant code for said compressor and an oil code for said compressor.

25. (Previously Presented) The compressor assembly of Claim 31 wherein said stored compressor configuration information includes at least one pressure limit, at least one temperature limit and at least one time limit.

26. (Previously Presented) The compressor assembly of Claim 31 wherein said control block includes a microprocessor.

27. (Previously Presented) The compressor assembly of Claim 26 wherein said microprocessor functions as a gateway for communicating with said system master.

28. (Previously Presented) The compressor assembly of Claim 26 wherein said microprocessor controls communication between said control block and said system master.

29. (Previously Presented) The compressor assembly of Claim 31 wherein said control block includes a memory device to store compressor configuration information.

30. (Previously Presented) The compressor assembly of Claim 31 wherein said system master selectively controls said control block.

31. (Previously Presented) A compressor assembly comprising:

a shell;

a compression mechanism disposed in said shell;

a motor driving said compression mechanism and disposed in said shell;

a control block mounted on said shell, including a pluggable gateway board, and operable to store compressor configuration information; and

a system master in communication with said control block and operable to receive said stored compressor configuration information from said control block.

32. (Previously Presented) The compressor assembly of Claim 31 wherein said system master is operable to initially configure said compressor by sending said compressor configuration information to said control block.

33.   (Previously Presented) The compressor assembly of Claim 31, further comprising the plurality of sensors integrated internally into said shell of said compressor and in communication with said control block.

34.   (Previously Presented) The compressor assembly of Claim 31 wherein said control block includes a vibration sensor.

35.   (New) A compressor assembly comprising:

a shell;

a compression mechanism disposed in said shell;

a motor driving said compression mechanism and disposed in said shell;

a control block mounted on said compressor shell and including a microprocessor and a memory;

a plurality of sensors monitoring compressor operating parameters, disposed within said shell, and in communication with said control block; and

a system master in communication with said control block;

wherein said microprocessor is operable to control communication between said control block and said system master and said memory is operable to store compressor configuration information and compressor operating parameters.

36.   (New) The compressor assembly of Claim 35 wherein said system master is operable to initially configure said compressor by sending said compressor configuration information to said control block.

37.	(New)	The compressor assembly of Claim 35 wherein said control block includes a vibration sensor.

38.	(New) The compressor assembly of Claim 35 wherein said system master is operable to modify said stored compressor configuration information.

39.	(New)	The compressor assembly of Claim 35 wherein said control block is operable to create an event history from said compressor operating parameters.

40.	(New)	The compressor assembly of Claim 39 wherein said event history is communicated to said system master from said control block.

41.	(New)	The compressor assembly of Claim 35 wherein said stored compressor configuration information includes at least one of a serial number of said compressor, a model number of said compressor, a refrigerant code for said compressor, or an oil code for said compressor.

42.	(New)	The compressor assembly of Claim 35 wherein said stored compressor configuration information includes at least one of a pressure limit, a temperature limit and a time limit.

43. (New) The compressor assembly of Claim 35 wherein said system master is operable to selectively control said control block.